

FIG. 1

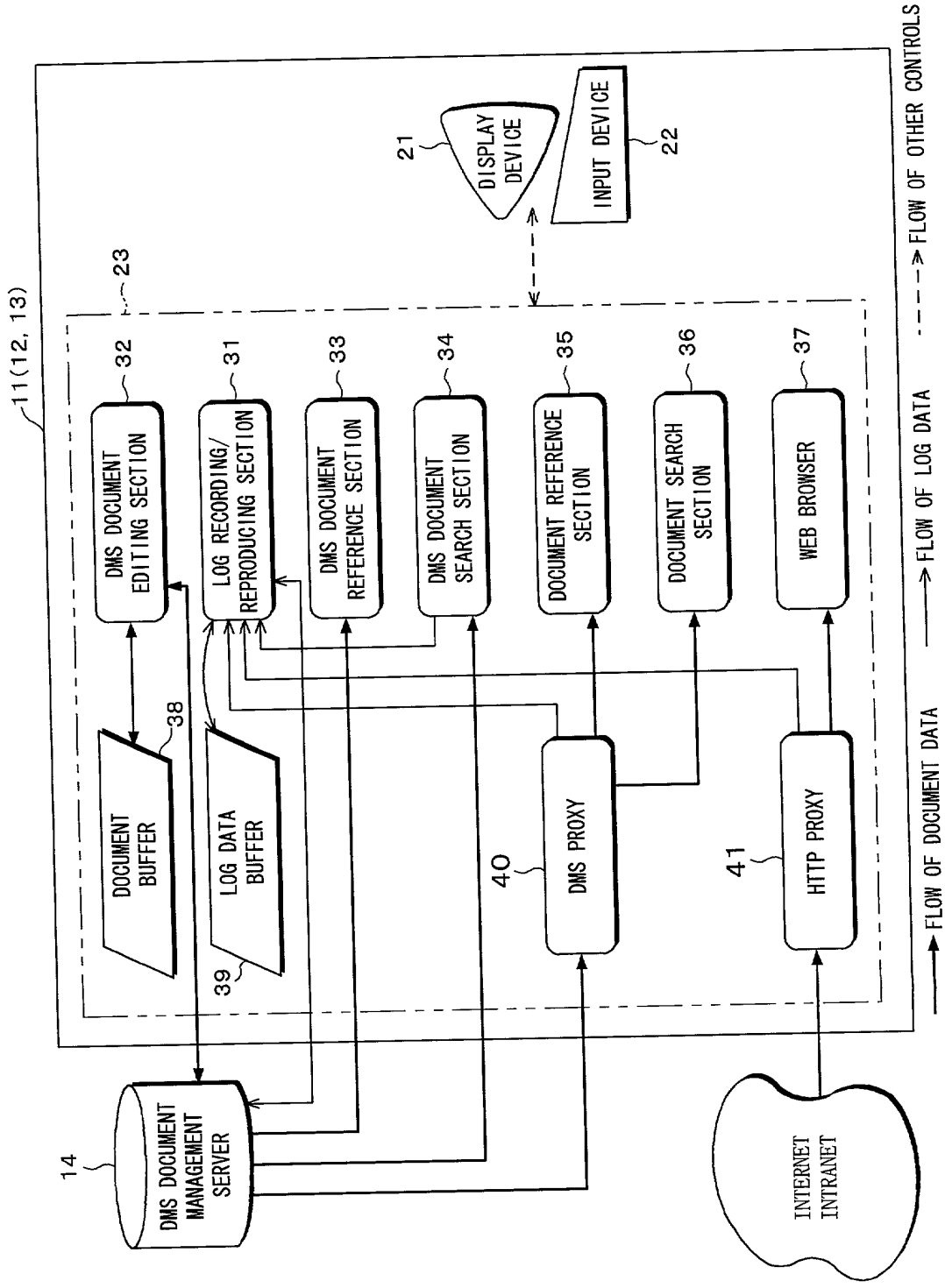


FIG. 2

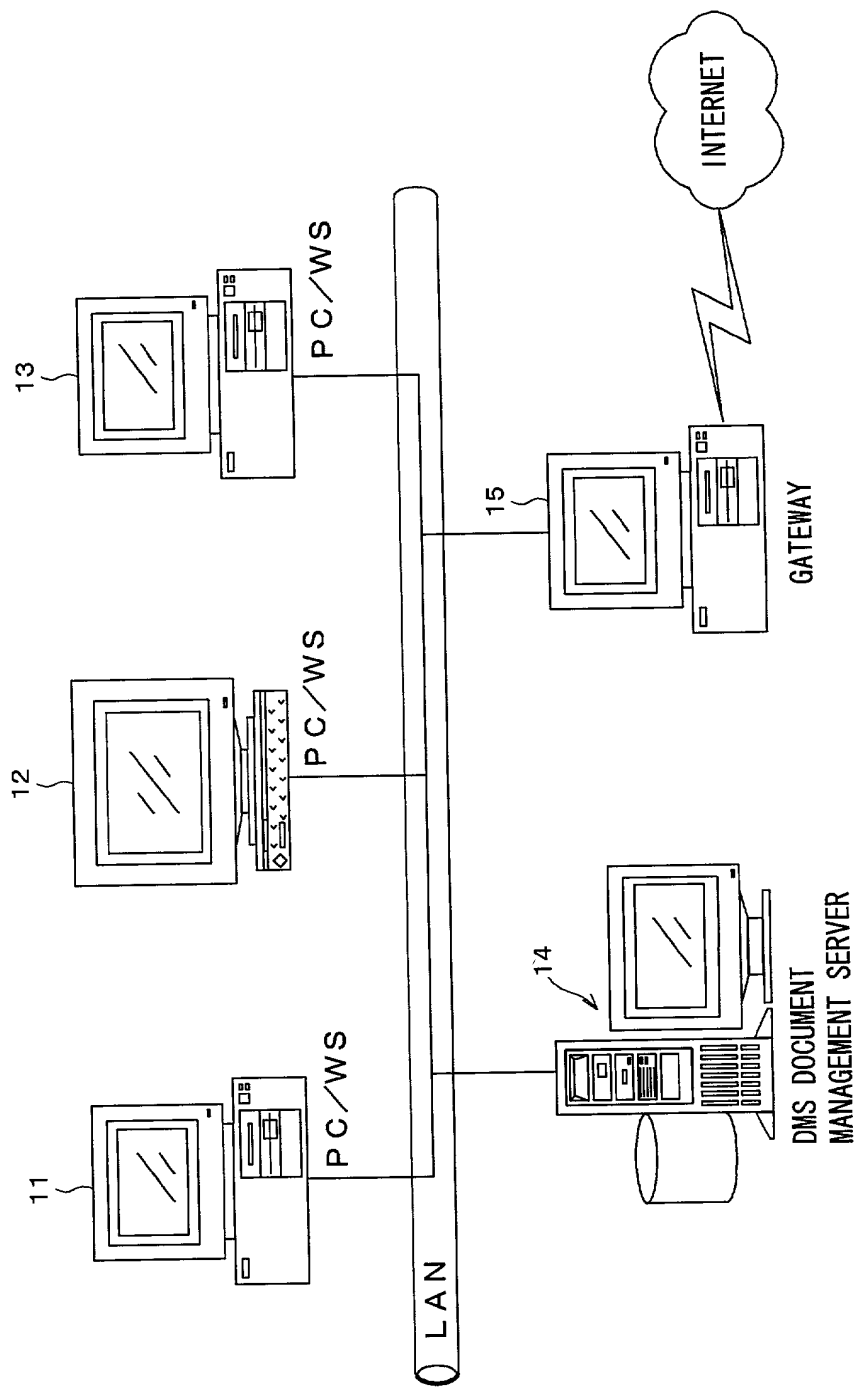


FIG. 3

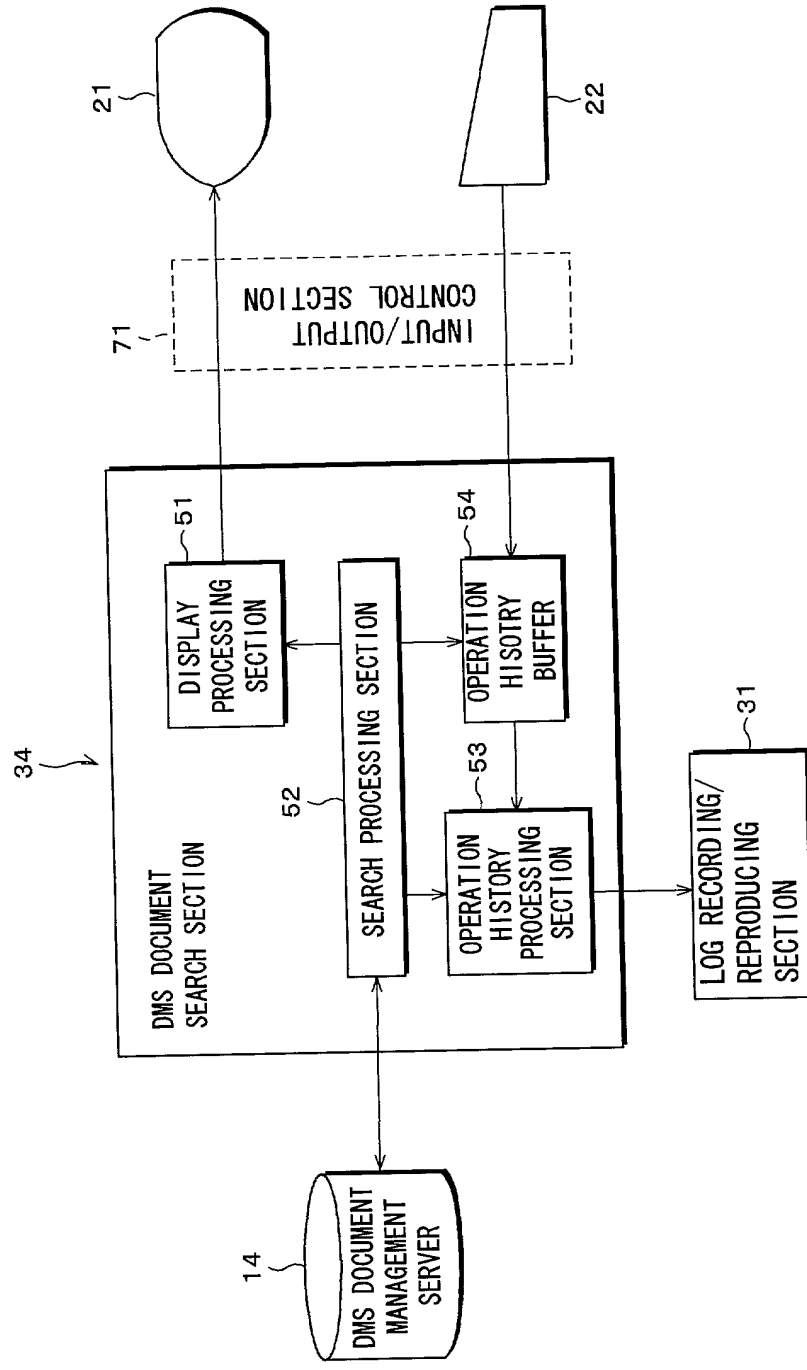


FIG. 4

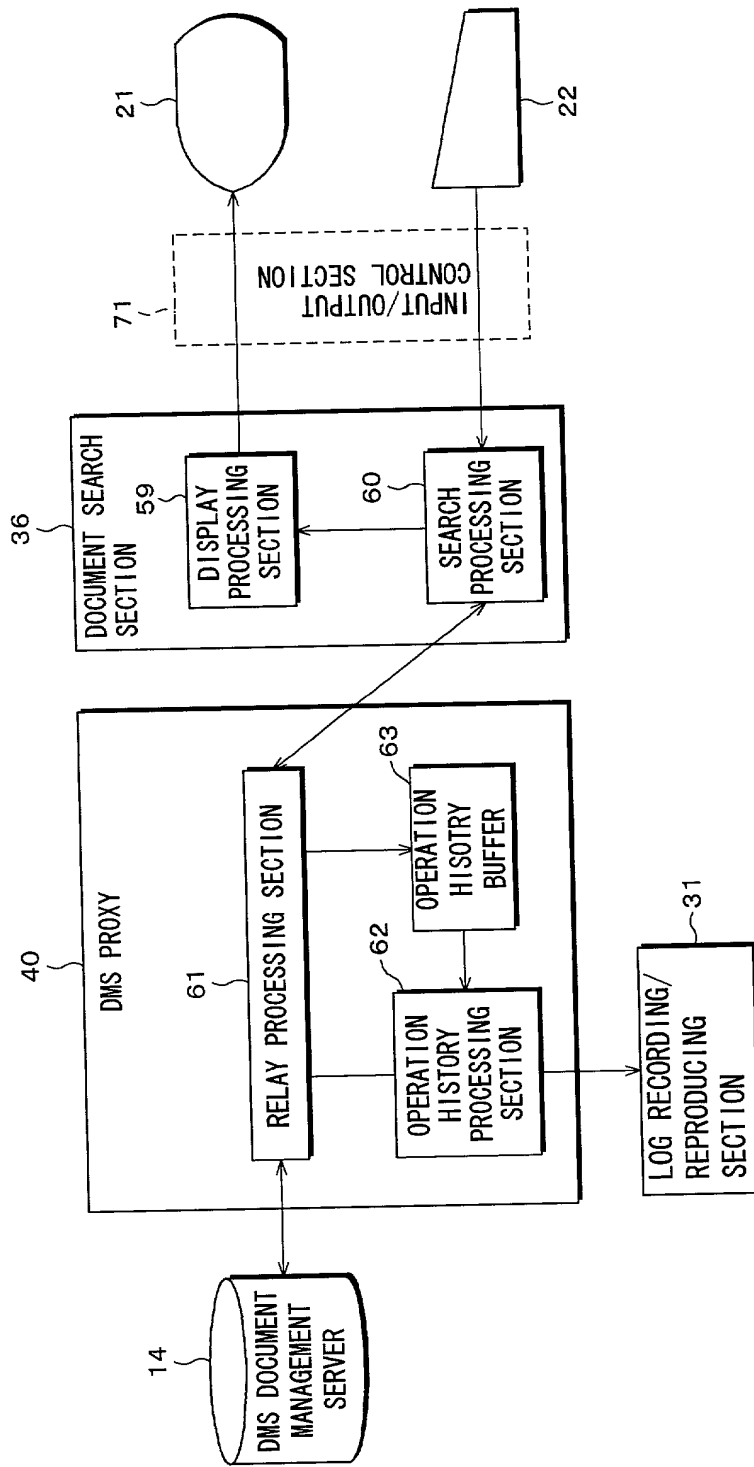


FIG. 5

| RECORDING ORDER | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|--------------------------------|-------------------|---|
| | | | |
| 1111 | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 896 |
| 1112 | DMS DOCUMENT REFERENCE SECTION | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1113 | DMS DOCUMENT REFERENCE SECTION | SERACH CHARACTER | "DCT", 6144, 6 |
| 1114 | DMS DOCUMENT REFERENCE SECTION | MOVE CURSOR | 6126 |
| 1115 | DMS DOCUMENT REFERENCE SECTION | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| 1116 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION", 912 |
| 1117 | DMS DOCUMENT EDITING SECTION | MANUAL INPUT | "IS" 914 |
| | | | |

FIG. 6

CREATION SCREEN

(a 1)

..... USED IN JPEG
| ORTHOGONAL TRANSLATION

(a 2)

..... USED IN JPEG
| DISCRETE COSINE TRANSLATION
ORTHOGONAL TRANSLATION

(a 3)

..... COSINE TRANSLATION
USED IN JPEG IS | ORTHOGONAL
TRANSLATION

REFERENCE SCREEN

(b 1)

.....
REED SOLOMON CODE:.....
DISCRETE COSINE TRANSLATION (| DCT):.....
.....

(b 2)

.....
REED SOLOMON CODE:
| DISCRETE COSINE TRANSLATION (DCT):.....
.....

(b 3)

.....
REED SOLOMON CODE:.....
| DISCRETE COSINE TRANSLATION (DCT):.....
.....

FIG. 7 (a)

[illegible]

FIG. 7 (b)

| | |
|-------|----------|
| 0001 | 0 ~ 64 |
| 0002 | 64 ~ 124 |
| 0003 | |
| | |

FIG. 7 (c)

| | |
|---------|-------|
| 0 0 0 1 | 0 |
| 0 0 0 2 | 6 4 |
| 0 0 0 3 | 1 2 4 |
| | |

FIG. 7 (d)

[illegible]

FIG. 7 (e)

| | |
|---------|-----------|
| 1. | 0 ~ 2 5 |
| 1. 1 | 2 5 ~ 7 4 |
| 1. 1 1) | 7 4 ~ ... |
| | |

FIG. 8

| RECORDING ORDER | POSITION | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|----------|--------------------------------|-------------------|---|
| | | | | |
| 1111 | 904 | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 896 |
| 1112 | 896 | DMS DOCUMENT REFERENCE SECTION | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1113 | 896 | DMS DOCUMENT REFERENCE SECTION | SERACH CHARACTER | "DCT", 6144, 6 |
| 1114 | 896 | DMS DOCUMENT REFERENCE SECTION | MOVE CURSOR | 6126 |
| 1115 | 896 | DMS DOCUMENT REFERENCE SECTION | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| 1116 | 896 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION", 912 |
| 1117 | 912 | DMS DOCUMENT EDITING SECTION | MANUAL INPUT | "IS" 914 |
| | | | | |

FIG. 9

| RECORDING ORDER | POSITION | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|----------|--------------------------------|-------------------|---|
| | | | | |
| 1109 | 896 | DMS DOCUMENT EDITING SECTION | MANUAL INPUT | "ORTHOGONAL", 900 |
| 1110 | 900 | DMS DOCUMENT EDITING SECTION | MANUAL INPUT | "TRANSLATION", 904 |
| 1111 | 904 | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 896 |
| 1112 | 896 | DMS DOCUMENT REFERENCE SECTION | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1113 | 896 | DMS DOCUMENT REFERENCE SECTION | SERACH CHARACTER | "DCT", 6144, 6 |
| 1114 | 896 | DMS DOCUMENT REFERENCE SECTION | MOVE CURSOR | 6126 |
| 1115 | 896 | DMS DOCUMENT REFERENCE SECTION | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| | | | | |

FIG. 11

..... COSINE TRANSLATION AS ONE EXAMPLE OF
ORTHOGONAL TRANSLATION USED IN JPEG IS |

..... COSINE TRANSLATION AS ONE EXAMPLE OF
ORTHOGONAL TRANSLATION USED IN JPEG IS |

FIG. 12

| RECORDING ORDER | POSITION | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|----------|--------------------------------|-------------------|---|
| | | | | |
| 1109 | 896 | DMS DOCUMENT EDITING SECTION | MANUAL INPUT | "ORTHOGONAL", 900 |
| 1110 | 900 | DMS DOCUMENT EDITING SECTION | MANUAL INPUT | "TRANSLATION", 904 |
| 1111 | 904 | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 896 |
| 1112 | *896 | DMS DOCUMENT REFERENCE SECTION | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1113 | *896 | DMS DOCUMENT REFERENCE SECTION | SERACH CHARACTER | "DCT", 6144, 6 |
| 1114 | *896 | DMS DOCUMENT REFERENCE SECTION | MOVE CURSOR | 6126 |
| 1115 | *896 | DMS DOCUMENT REFERENCE SECTION | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| 1116 | 896 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION", 912 |
| | | | | |
| 1122 | | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 896 |
| 1123 | 896 | DMS DOCUMENT EDITING SECTION | DELETE | "DISCRETE COSINE TRANSLATION IS", (914) |
| | | | | |

FIG. 13

| RECORDING ORDER | POSITION | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|----------|--------------------------------|-------------------|---|
| | | | | |
| 1109 | 896 | DMS DOCUMENT EDITING SECTION | MANUAL INPUT | "ORTHOGONAL", 900 |
| 1110 | 900 | DMS DOCUMENT EDITING SECTION | MANUAL INPUT | "TRANSLATION", 904 |
| 1111 | 904 | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 896 |
| 1112 | 916 | DMS DOCUMENT REFERENCE SECTION | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1113 | 916 | DMS DOCUMENT REFERENCE SECTION | SERACH CHARACTER | "DCT", 6144, 6 |
| 1114 | 916 | DMS DOCUMENT REFERENCE SECTION | MOVE CURSOR | 6126 |
| 1115 | 916 | DMS DOCUMENT REFERENCE SECTION | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| 1116 | 896 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION", 912 |
| | | | | |
| 1122 | | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 896 |
| 1123 | 896 | DMS DOCUMENT EDITING SECTION | DELETE | "DISCRETE COSINE TRANSLATION IS", (914) |
| 1124 | 896 | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 916 |
| 1125 | 916 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION IS", (934) |
| | | | | |

FIG. 14

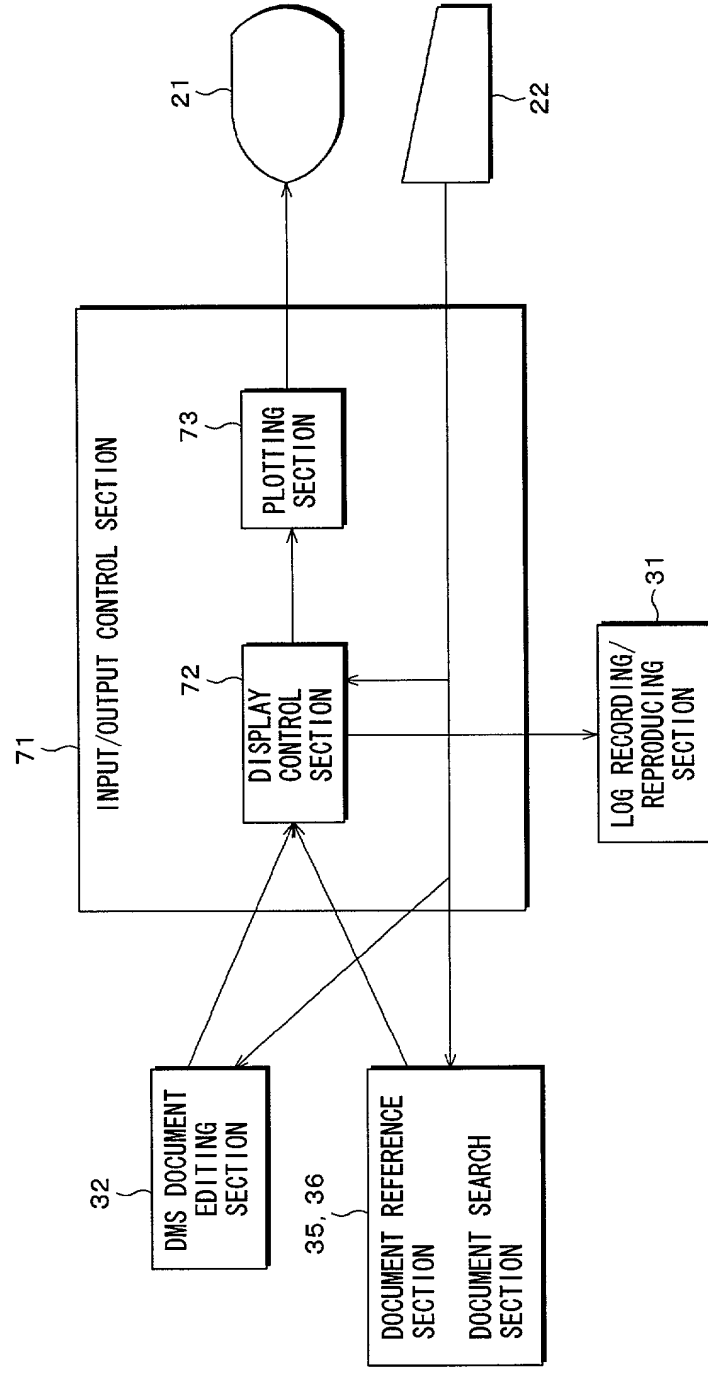


FIG. 15

| RECORDING ORDER | POSITION | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|----------|----------------------------------|-------------------|---|
| | | | | |
| 1111 | 904 | DMS DOCUMENT EDITING SECTION | MOVE CURSOR | 896 |
| 1112 | 896 | DMS DOCUMENT REFERENCE SECTION 1 | NON-DISPLAY | |
| 1113 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1114 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | SEARCH CHARACTER | "DCT", 6144, 6 |
| 1115 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | MOVE CURSOR | 6126 |
| 1116 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| 1117 | 896 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION", 912 |
| | | | | |
| 1236 | 1088 | DMS DOCUMENT REFERENCE SECTION 2 | NON-DISPLAY | |
| 1237 | 1088 | DMS DOCUMENT REFERENCE SECTION 1 | RE-DISPLAY | |
| | | | | |

F I G. 1 6

CONDITIONS FOR SELECTION BETWEEN WINDOW
DISPLAY AND NON-DISPLAY

- ☒ DISPLAY 2 FRONT SCREENS
- ☐ DISPLAY READABLE AREA OF NOT SMALLER THAN
10 CHARACTERS × 3 LINES

FIG. 17

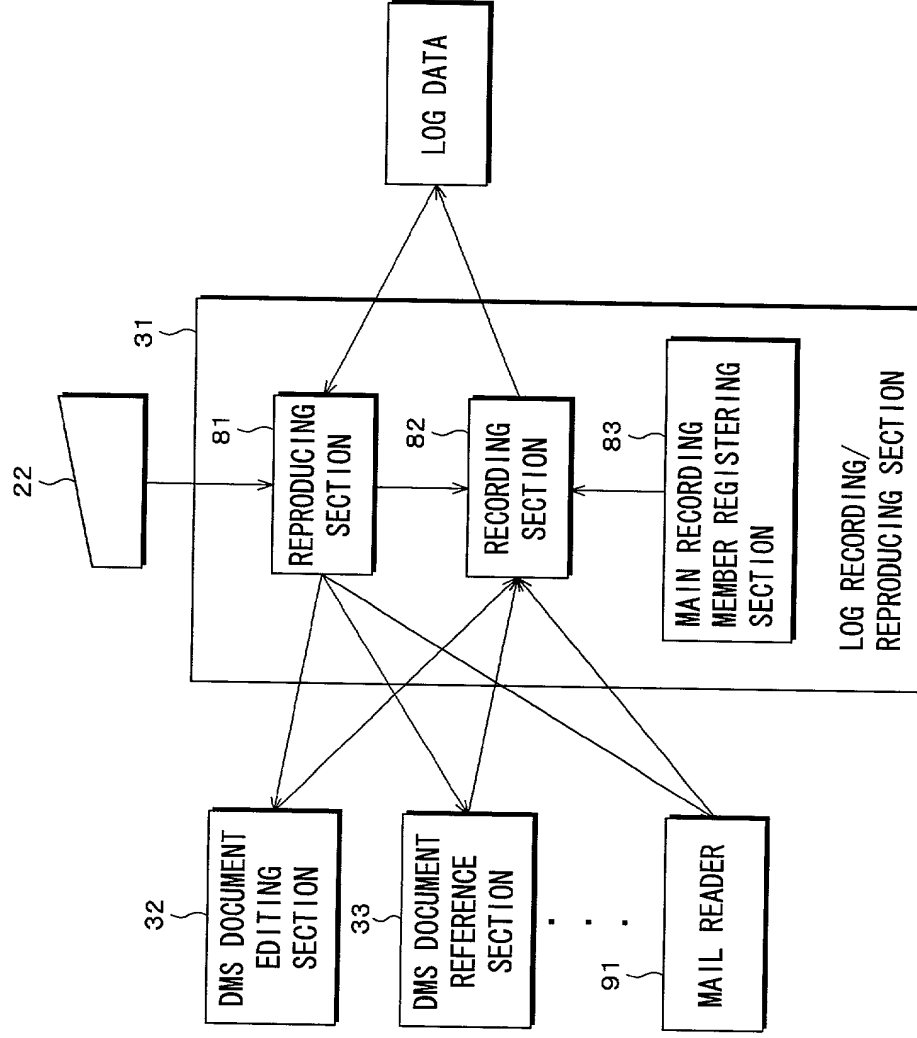


FIG. 18

| |
|--------------------------------|
| DMS DOCUMENT REFERENCE SECTION |
| DMS DOCUMENT SEARCH SECTION |
| HTTP PROXY |
| |

FIG. 18

FIG. 19

| RECORDING ORDER | POSITION | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|----------|----------------------------------|-------------------|---|
| | | | | |
| 1112 | 896 | DMS DOCUMENT REFERENCE SECTION 1 | NON-DISPLAY | |
| 1113 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1114 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | SEARCH CHARACTER | "DCT", 6144, 6 |
| 1115 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | NON-DISPLAY | |
| 1116 | 896 | MAIL READER | START DISPLAY | "INVITATION FOR SOCIAL GATHERING TRIP", ... |
| 1117 | 896 | MAIL READER | CLOSE | |
| 1118 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | RE-DISPLAY | |
| 1119 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | MOVE CURSOR | 6126 |
| 1120 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| 1121 | 896 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION", 912 |
| | | | | |

FIG. 20

| RECORDING ORDER | POSITION | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|----------|----------------------------------|-------------------|---|
| | | | | |
| 1112 | 896 | DMS DOCUMENT REFERENCE SECTION 1 | NON-DISPLAY | |
| 1113 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1114 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | SEARCH CHARACTER | "DCT", 6144, 6 |
| 1115 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | NON-DISPLAY | |
| 1116 | #896 | MAIL READER | START DISPLAY | "INVITATION FOR SOCIAL GATHERING TRIP", ... |
| 1117 | #896 | MAIL READER | CLOSE | |
| 1118 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | RE-DISPLAY | |
| 1119 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | MOVE CURSOR | 6126 |
| 1120 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| 1121 | 896 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION", 912 |
| | | | | |

FIG. 21

| RECORDING ORDER | POSITION | AP OPERATED | OPERATION CONTENT | OPERATION INFORMATION |
|-----------------|----------|----------------------------------|-------------------|---|
| | | | | |
| 1112 | 896 | DMS DOCUMENT REFERENCE SECTION 1 | NON-DISPLAY | |
| 1113 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | START DISPLAY | "COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0 |
| 1114 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | SEARCH CHARACTER | "DCT", 6144, 6 |
| 1115 | #896 | DMS DOCUMENT REFERENCE SECTION 2 | NON-DISPLAY | |
| 1116 | #896 | MAIL READER | START DISPLAY | "INVITATION FOR SOCIAL GATHERING TRIP", ... |
| 1117 | #896 | MAIL READER | CLOSE | |
| 1118 | #896 | DMS DOCUMENT REFERENCE SECTION 2 | RE-DISPLAY | |
| 1119 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | MOVE CURSOR | 6126 |
| 1120 | 896 | DMS DOCUMENT REFERENCE SECTION 2 | COPY | "DISCRETE COSINE TRANSLATION", 6142 |
| 1121 | 896 | DMS DOCUMENT EDITING SECTION | PASTE | "DISCRETE COSINE TRANSLATION", 912 |
| | | | | |

FIG. 22

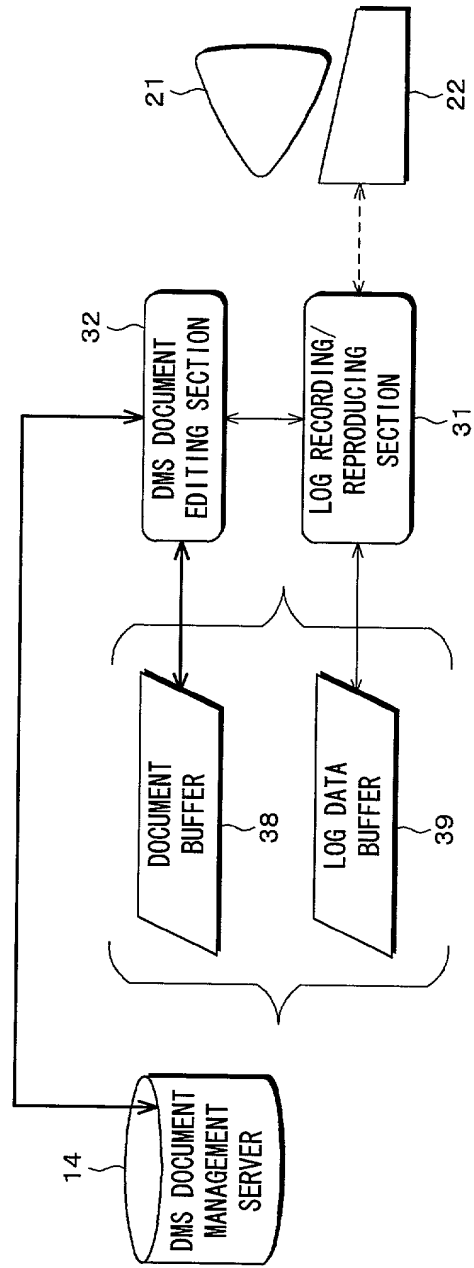


FIG. 23

